Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99) Application Number 10695400 Filing Date 2003-10-27 First Named Inventor Fitzgerald Art Unit 1743 Examiner Name Jyoti Nagpaul Attorney Docket Number 02-027

	U.S.PATENTS										
Examiner Initial*		Cite No	Patent Number	Kind Code ¹	Issue Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear				
/J.N./		1	6537506		2003-03-25	Schwalbe et al.					
			6508862		2003-01-21	Tonkovich et al.					
		3	6637463		2003-10-28	Lei et al.					
		4	7190580		2007-03-13	Bezama et al.					
		5	6293338		2001-09-25	Chapman et al.					
		6	5544700		1996-08-13	Shagoury					
	/	7	3847211		1974-11-12	Fischel et al.					
/J.I	N./	8	5482680		1996-01-09	Wilkinson et al.	·				

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Not for submission under 37 CFR 1.99)

Application Number		10695400				
Filing Date		2003-10-27				
First Named Inventor	Fitzge	erald				
Art Unit		1743				
Examiner Name Jyot		Nagpaul				
Attorney Docket Numb	er	02-027				

			,							
/J.N	/ 9	4401155	·	1983-08-30	Royal et al.					
	10 4343354			1982-08-10	Weber					
	11	4041591		1977-08-16	Noll et al.					
	12	5915469		1999-06-29	Abramzon et al.					
	13	6098706		2000-08-08	Urch					
	14	4282927		1981-08-11	Simmons					
V	15	5000253		1991-03-19	Komarnicki .	· .				
/J.N.	/ 16	6244333		2001-06-12	Bergh et al.					
If you w	ish to a	add additional U.S. Pater	t citatio	n information pl	ease click the Add button.					
U.S.PATENT APPLICATION PUBLICATIONS										
Examin Initial*	er Cite No	Publication Number	Kind Code ¹	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear				
/J.N./	1	20020031471		2002-06-10	Tonkovich et al.					

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Not for submission under 37 CFR 1.99)

Application Number		10695400			
Filing Date		2003-10-27			
First Named Inventor	Fitzge	erald	- 1		
Art Unit		1743			
Examiner Name Jyoti N		Nagpaul			
Attorney Docket Number		02-027			

/J.N./	2	20040104010	2004-06-0	.03 Kenny et al.
	3	20030027354	2003-02-0	.06 Geli
	4	20020125001	2002-09-	12 Kelly et al.
	5	20040234566	2004-11-2	.25 Qiu et al.
	6	20020187090	2002-12-2	12 Vanden Bussche et al.
	7	20040076562	2004-04-2	22 Mazanec et al.
	8	20030043544	2003-03-0	06 Nelson et al.
	9	20030173650	2003-09-1	18 Larsson et al.
	10	20030118486	2003-06-2	26 Zhou et al.
	11	20030062149	2003-04-0	03 Goodson et al.
/J.N./	12	20020106311	2002-08-0	08 Golbig et al.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99) Application Number 10695400 Filing Date 2003-10-27 First Named Inventor Fitzgerald Art Unit 1743 Examiner Name Jyoti Nagpaul Attorney Docket Number 02-027

/J.N./	13	20060	0275185	A1 .	2006-12	!-07	Fitzgerald et al	Fitzgerald et al.				
/J.N./	14	20040	0033455		2004-02	?-19	Tonkovich et a	Tonkovich et al.				,,,
/J.N./	15	20050	0133457		2005-06-23		76-23 Tonkovich et al.				•	
/J.N./	16	20050	0087767		2005-04-28		Fitzgerald et al	ald et al.				
If you wish	If you wish to add additional U.S. Published Application citation information please click the Add button.											
 	···	r		 	FOREIC	3N PAT	ENT DOCUM	EN	ITS			
Examiner Initial*	Cite No	Foreig Numb	gn Document oer ³	Country Code ² i			Publication Date	Ap	Applicant of cited		Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear	T5
	1											
If you wish	ı to ac	ld add	itional Foreign Pa	atent Do	cument	citation	information pl	eas	se click the Add	buttor	1	
				NON	I-PATEN	NT LITE	RATURE DO	CU	MENTS			
	Cite No	(book	de name of the au	nal, seria	al, sympo	osium, i	catalog, etc), d	the date	e article (when age, pages(s), volu	opropr me-is	riate), title of the item sue number(s),	T 5
/J.N./	1		et al., "Optimal Desi . Eng. J. pp. 1-26 (mplex Ma	nifold G	eometries for Ui	nifo	orm Flow Distributi	on Bet	tween Microchannels,"	
If you wish	to ac	id add	itional non-patent	literatu	re docur	nent cit	ation informati	ion	please click the	Add b	outton	
<u>.</u>					EX	AMINE	R SIGNATURI	E				
Examiner	Signa	ture	/Jy	oti Nag	paul/				Date Consider	red	10/09/2007	
*EXAMINE citation if r	ER: In	itial if r confor	reference consider mance and not co	ered, wh onsidere	ether or ed. Inclu	not cita ide cop	ition is in confo y of this form v	orm with	าance with MPEI า next communic	⊃ 609. ation	. Draw line through a to applicant.	

Page 1 of 2

ZOT F	8	Form PTO-1	440		Attorney Docket Application No. 10/695,400				
AUG 2 0	2007				Applicant Fitzgerald et al.				
& TRADEM	i de la constante de la consta	nation Disclos	ure Citatio	n	Filing Date Oct 27, 2003	roup Art Unit 1743			
			U.S. Pa	itent Docu					
Examiner Initial		Patent Number	Date		Name	Class	Sub- Class	Filing Date	
·	AA								
	· · · · · · · · · · · · · · · · · · ·		Foreign	Patent Do	cuments				
		Document Number	Date		Country	Class	Sub- Class	Trans- lation	
/J.N./	AF	DE 10148926A1	4/17/2003	(Germany				
	AG	DT 2428964A1	1/2/1976		Germany				
	AH	EP 1038575	9/27/2000		Europe				
	AI	WO 02/072252	9/19/2002		PCT				
	AJ	DE 19935433A1	1/8/99		Germany	}			
	AK	WO 03/080233	10/2/03		PCT				
	AL WO 03/097229 11/27/03			PCT					
L V	AM	WO 04/042303	5/21/04	PCT					
/J.N./	AN	WO 03/043730	5/30/03		PCT				
	,	Other Docu	ments (Includia	ng Author, Tit	ile, Date, Pertinent Pag	ges, etc.))		
/J.N./	AR		t from PCT/US	\$2006/01284	19 mailed Aug 22, 20	· · · · · · · · · · · · · · · · · · ·		ten Opinion	
	AS	Amador et al., "Floof manufacturing t	ow Distribution olerances and o	in differen	t microreactor scale- kage," Chem. Eng.	out geor	metries and	the effect 9-390, 2004.	
	AT	PCT International Preliminary Report on Patentability from PCT/US2004/035601							
\downarrow	AU	PCT Search Report of the International			01 mailed Apr 12, 20	005 inclu	uding Writt	ten Opinion	
/J.N./	AV	Zhao et al., "Micro	ochannel Heat I	Exchangers	with Carbon Dioxide	e," pp. 1	-103 (2001	1).	
Examiner		/Jyoti Nagpau	1/		Date Considered	10/	/09/2007		
EXAMINER: I conformance a	nitial if re	eference considered, whe considered. Include copy	ther or not citation i of this form with ne	s in conforman	ce with MPEP § 609. Draw	v line throu	ugh citation if	not in	

Page 2 of 2

		Form PTO-1	110		Attorney Docket 02-027	Α	Application No. 10/695,400		
	_				Applicant Fitzgerald et al.				
i i	nforn	nation Disclos	ure Citation		Filing Date Oct 27, 2003	Group Art Unit 1743			
			U.S. Pat	ent Docu	ments				
Examiner Initial		Patent Number	Date		Name	Clas	s Sub- Class	Filing Date	
	AA			·		<u> </u>			
		-	Foreign Pa	atent Do	cuments		·		
Manner of the second of the se		Document Number	Date		Country	Clas	s Sub- Class	Trans- lation	
	AF			•					
<u> </u>	AG					<u> </u>			
	Y	Other Docu	ments (Including	Author, Ti	le, Date, Pertinent Pa	ges, etc	C.)		
/J.N./	Mas et al., "Scalable Microfabricated Multiphase reactors for Transducers '03, 655-658 (2003).					ect Flu	orination R	eactions,"	
	ΑI	Commenge et al., Journal, 345-358 (n for Flov	Uniformity in Micr	ochani	nel Reactors	s," AIChE	
	AJ	Rebrov et al., "Header Design for Flow Equalization in Microstructured Reactors," AIChE Journal, 28-38 (2007).							
	AR	Griffini et al., "Effect of Microchannel Plate Design on Fluid Flow Uniformity at Low Flow Rates," Chem. Eng. Technol. 395-406 (2007).							
	AŞ	Bergles et al., "On (Jan 2005).	the Nature of C	ritical Hea	t Flux in microchani	nels," J	J. Heat Tran	sfer, 101-107	
	ΑТ	Balaji et al., "Impr Can. J. Of Chem. l			inel Plate Geometry	for uni	iform Flow	Distribution,	
\bigvee	AU	Delsman et al., "M Flow Rates," Tran			ry Optimization for log (Feb 2004).	Even F	low Distrib	ution at High	
/J.N./	AV	Jousse et al., "Con on a Chip, 646-65	_	multiphase	liquid-liquid flows	in mic	rofluidic de	vices," Lab	
Examiner		/Jyoti Nagpaul/			Date Considered		10/09/2007		
		eference considered, whe considered. Include copy			ce with MPEP § 609. Draw	w line thr	rough citation if	not in	